

§ 421.115

NSPS

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated |                             |
| Lead .....                      | .000  | .000                        |
| Zinc .....                      | .000  | .000                        |
| Ammonia (as N) .....            | .000  | .000                        |
| Fluoride .....                  | .000  | .000                        |
| Total suspended solids .....    | .000  | .000                        |
| pH .....                        | ( <sup>1</sup> )  | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

[49 FR 8817, Mar. 8, 1984, as amended at 49 FR 29795, July 24, 1984; 50 FR 12253, Mar. 28, 1985]

**§ 421.115 Pretreatment standards for existing sources.**

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources. The mass of wastewater pollutants in primary columbium-tantalum process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart K—Concentrate Digestion Wet Air Pollution Control.

PSES

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of concentrate digested |                             |
| Lead .....                      | .174  | .081                        |
| Zinc .....                      | .635  | .261                        |
| Ammonia (as N) .....            | 82.910  | 36.450                      |
| Fluoride .....                  | 21.770  | 12.440                      |

(b) Subpart K—Solvent Extraction Raffinate.

PSES

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of concentrate digested |                             |
| Lead .....                      | 2.592   | 1.203                       |
| Zinc .....                      | 9.442   | 3.888                       |
| Ammonia (as N) .....            | 1,233.000   | 542.5000                    |

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PSES—Continued

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------|-----------------------------|
| Fluoride .....                  | 324.000               | 185.100                     |

(c) Subpart K—Solvent Extraction Wet Air Pollution Control.

PSES

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of concentrate digested |                             |
| Lead .....                      | .069  | .032                        |
| Zinc .....                      | .251  | .103                        |
| Ammonia (as N) .....            | 32.790  | 14.420                      |
| Fluoride .....                  | 8.610   | 4.920                       |

(d) Subpart K—Precipitation and Filtration.

PSES

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of concentrate digested |                             |
| Lead .....                      | 3.833   | 1.780                       |
| Zinc .....                      | 13.960  | 5.750                       |
| Ammonia (as N) .....            | 1,825.000   | 802.200                     |
| Fluoride .....                  | 479.100   | 273.800                     |

(e) Subpart K—Precipitation and Filtration Wet Air Pollution Control.

PSES

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of concentrate digested |                             |
| Lead .....                      | 1.778   | .826                        |
| Zinc .....                      | 6.478   | 2.668                       |
| Ammonia (as N) .....            | 846.600   | 372.200                     |
| Fluoride .....                  | 222.300   | 127.000                     |

(f) Subpart K—Tantalum Salt Drying.

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## PSES

| Pollutant or pollutant property | Maximum for any 1 day                                    | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of tantalum salt dried |                             |
| Lead .....                      | 16.950   | 7.871                       |
| Zinc .....                      | 61.750   | 25.430                      |
| Ammonia (as N) .....            | 8,070.000  | 3,548.000                   |
| Fluoride .....                  | 2,119.000  | 1,211.000                   |

(g) Subpart K—Oxides Calcining Wet Air Pollution Control.

## PSES

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of columbium-tantalum oxide dried |                             |
| Lead .....                      | 1.076   | .500                        |
| Zinc .....                      | 3.919   | 1.614                       |
| Ammonia (as N) .....            | 512.200   | 225.200                     |
| Fluoride .....                  | 134.500   | 76.840                      |

(h) Subpart K—Reduction of Tantalum Salt to Metal.

## PSES

| Pollutant or pollutant property | Maximum for any 1 day                                      | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of tantalum salt reduced |                             |
| Lead .....                      | 46.500   | 21.590                      |
| Zinc .....                      | 169.400  | 69.750                      |
| Ammonia (as N) .....            | 22,140.000   | 9,732.000                   |
| Fluoride .....                  | 5,813.000  | 3,322.000                   |

(i) Subpart K—Reduction of Tantalum Salt to Metal Wet Air Pollution Control.

## PSES

| Pollutant or pollutant property | Maximum for any 1 day                                      | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of tantalum salt reduced |                             |
| Lead .....                      | .572   | .266                        |
| Zinc .....                      | 2.084  | .858                        |
| Ammonia (as N) .....            | 272.400  | 119.700                     |
| Fluoride .....                  | 71.510   | 40.860                      |

(j) Subpart K—Tantalum Powder Wash.

## PSES

| Pollutant or pollutant property | Maximum for any 1 day                                       | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of tantalum powder washed |                             |
| Lead .....                      | 5.721   | 2.656                       |
| Zinc .....                      | 20.840  | 8.582                       |
| Ammonia (as N) .....            | 2,724.000   | 1,198.000                   |
| Fluoride .....                  | 715.200   | 408.700                     |

(k) Subpart K—Consolidation and Casting Contact Cooling.

## PSNS

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated |                             |
| Lead .....                      | .000  | .000                        |
| Zinc .....                      | .000  | .000                        |
| Ammonia (as N) .....            | .000  | .000                        |
| Fluoride .....                  | .000  | .000                        |

[49 FR 8817, Mar. 8, 1984, as amended at 50 FR 12253, Mar. 28, 1985]

## §421.116 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary columbium-tantalum process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart K—Concentrate Digestion Wet Air Pollution Control.

## PSNS

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
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|                                 | mg/kg (pounds per million pounds) of concentrate digested |                             |
| Lead .....                      | .174  | .081                        |
| Zinc .....                      | .635  | .261                        |
| Ammonia (as N) .....            | 82.910  | 36.450                      |
| Fluoride .....                  | 21.770  | 12.440                      |